TOSHIBA 2E27660

Fig. 1

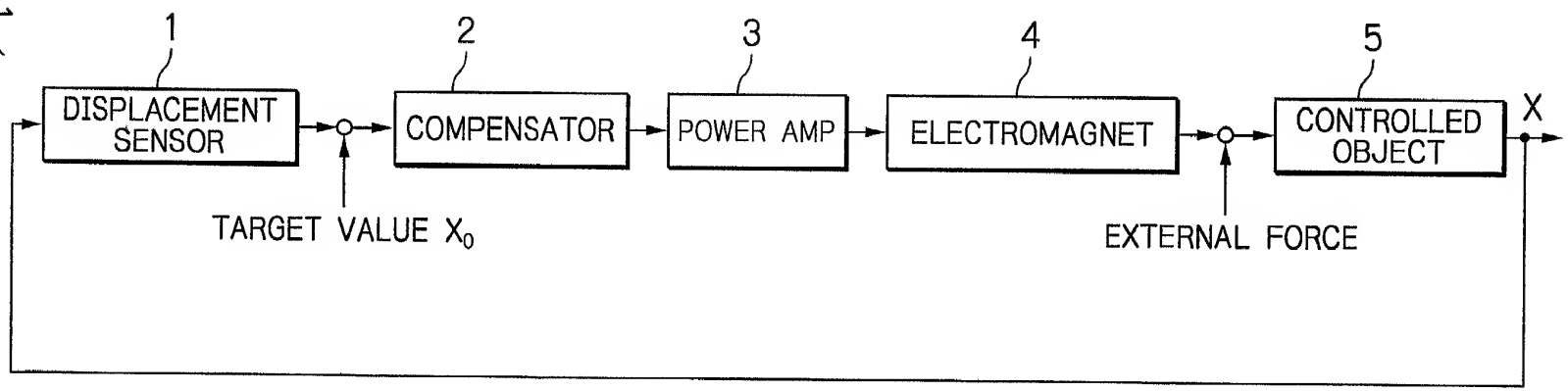

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Fig. 2

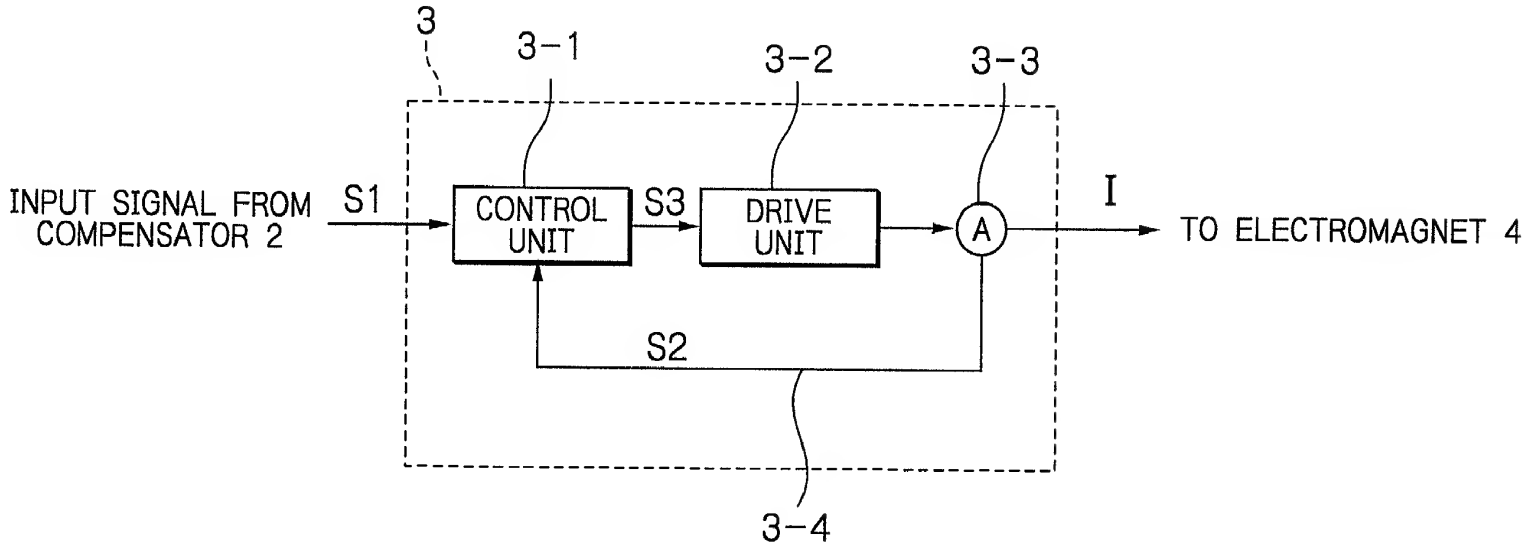


Fig. 3

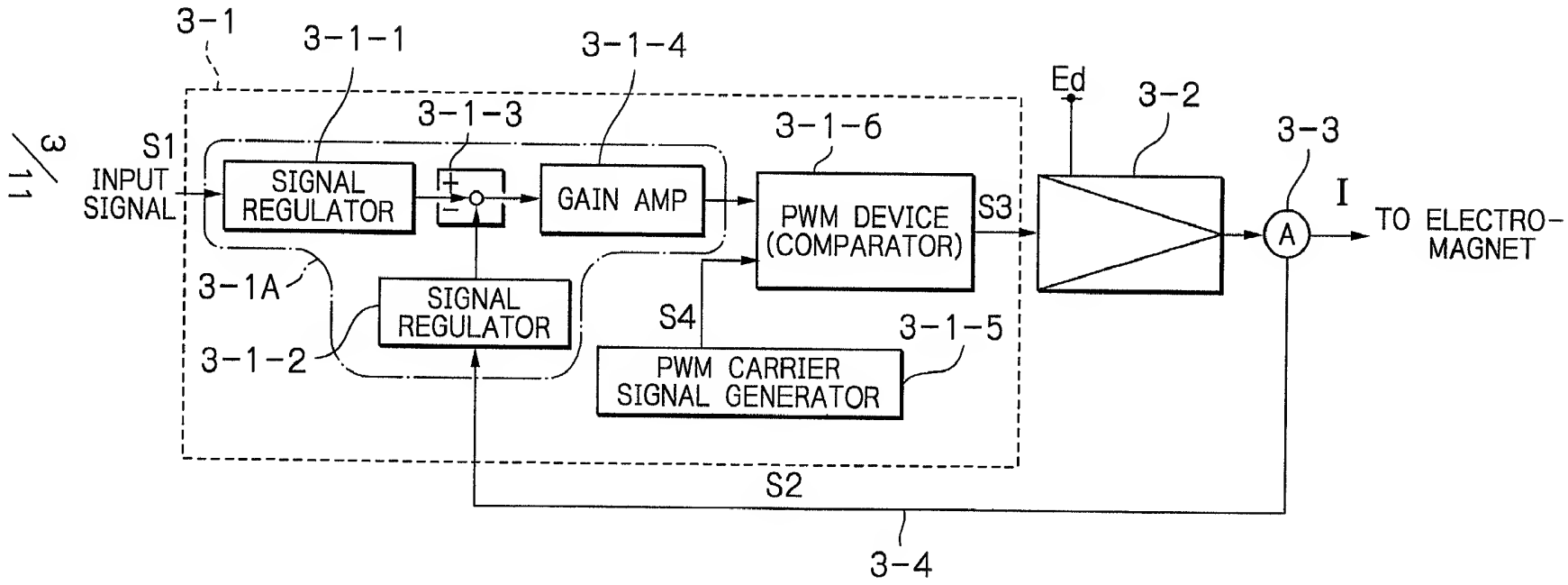
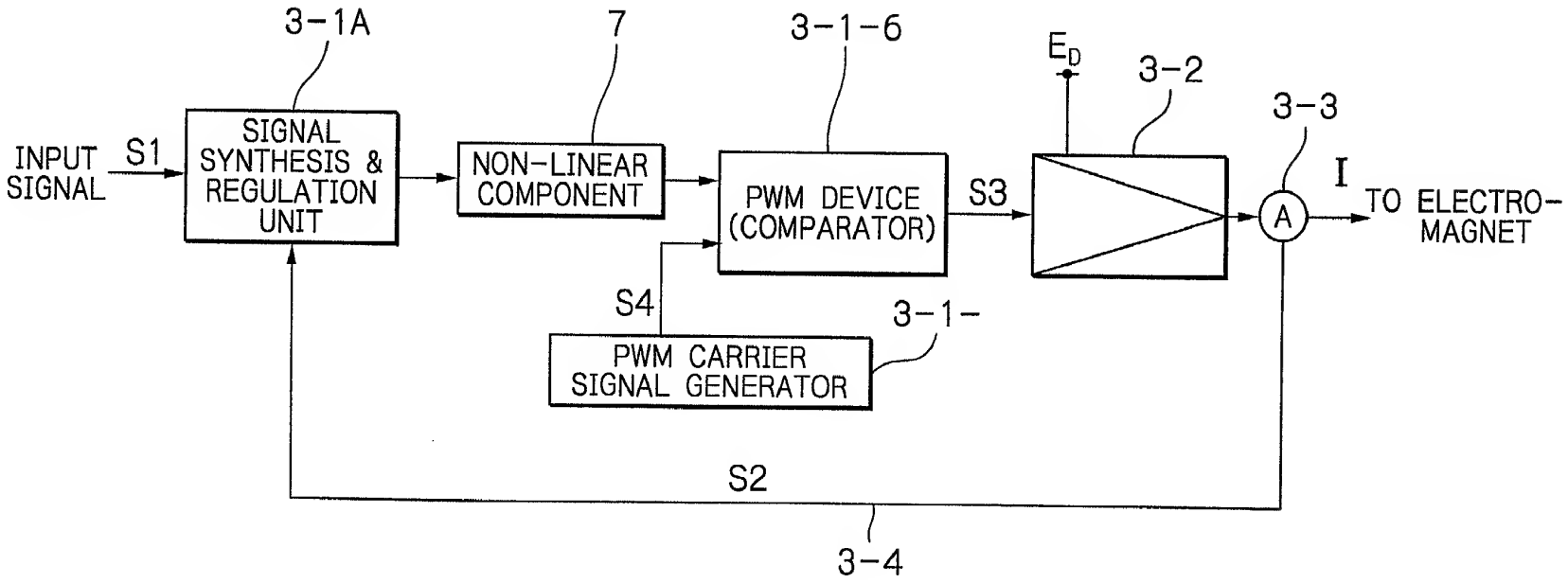

3-1
3-1-1
3-1-4
3-1-3
3-1-6
Ed
3-2
3-3
S1
INPUT SIGNAL
SIGNAL REGULATOR
GAIN AMP
PWM DEVICE (COMPARATOR)
S3
I
TO ELECTRO-MAGNET
A
3-1A
SIGNAL REGULATOR
S4
3-1-5
3-1-2
PWM CARRIER SIGNAL GENERATOR
S2
3-4

Fig. 4


3-1A
7
3-1-6
E_D
3-2
3-3
INPUT SIGNAL
S1
SIGNAL SYNTHESIS & REGULATION UNIT
NON-LINEAR COMPONENT
PWM DEVICE (COMPARATOR)
S3
I
A
TO ELECTRO-MAGNET
S4
3-1-
PWM CARRIER SIGNAL GENERATOR
S2
3-4

T09220" 2EE21660

Fig. 5

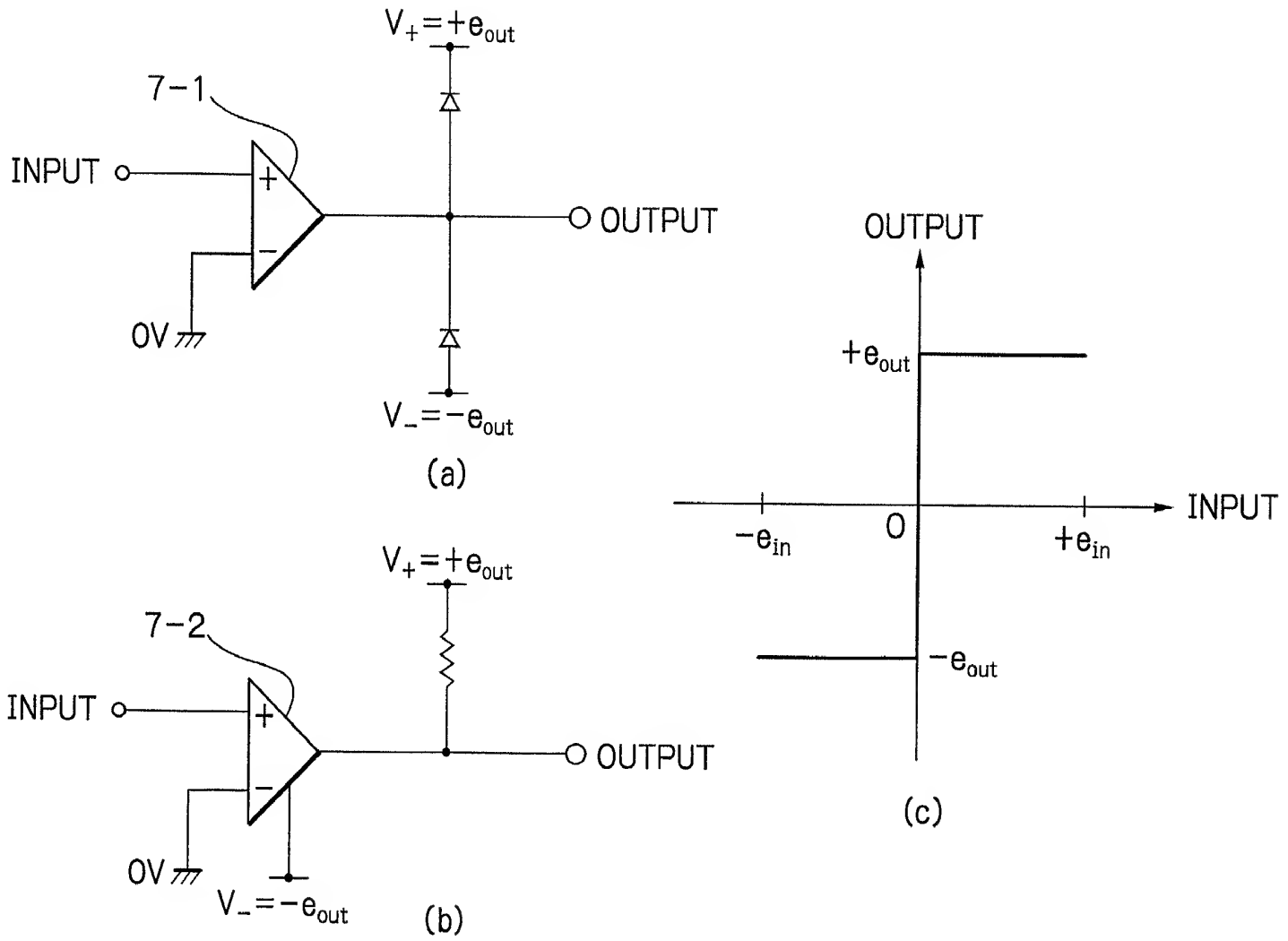
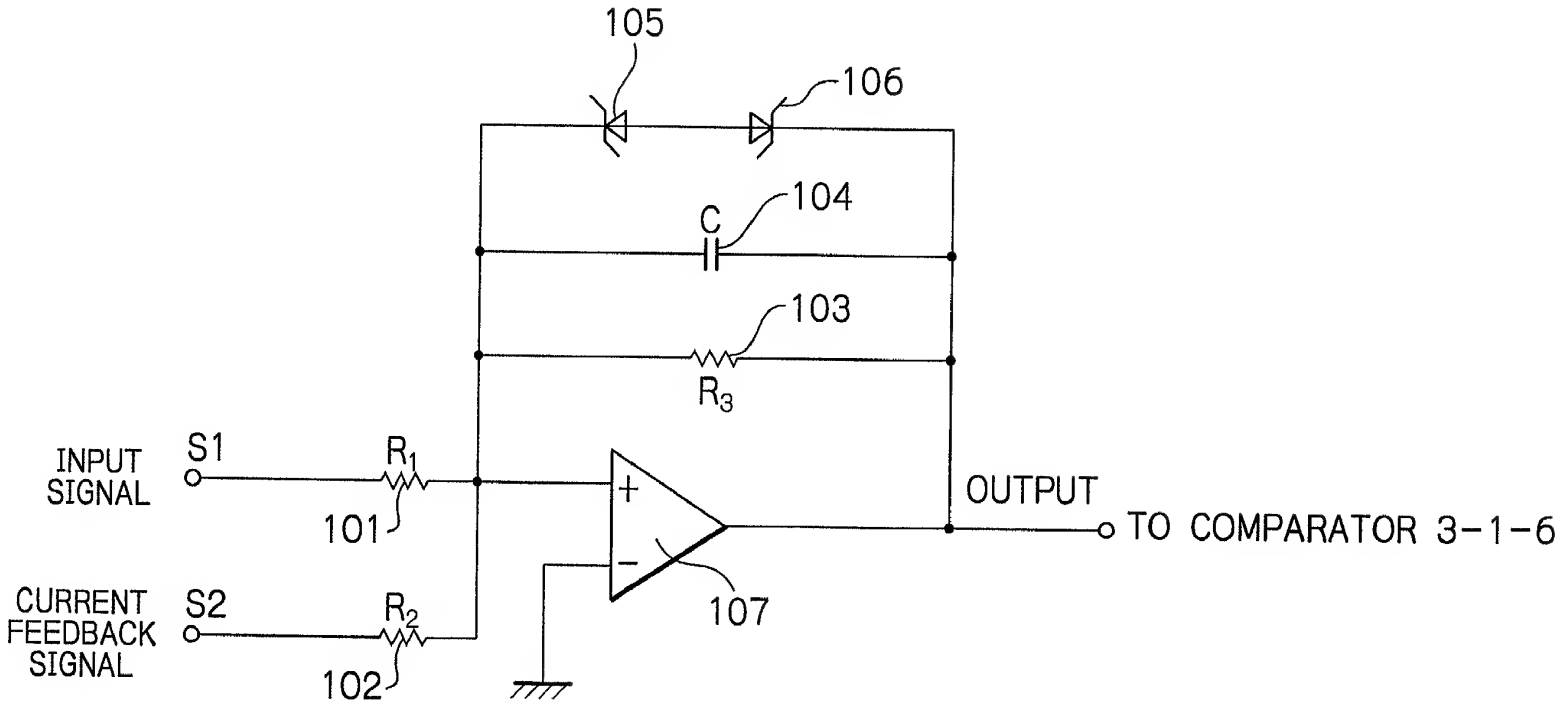


Fig. 6


105
106
C
104
103
R_3
INPUT SIGNAL
S1
R_1
101
CURRENT FEEDBACK SIGNAL
S2
R_2
102
+
−
107
OUTPUT
TO COMPARATOR 3-1-6

TO92A0" 2EE2T660

Fig. 7

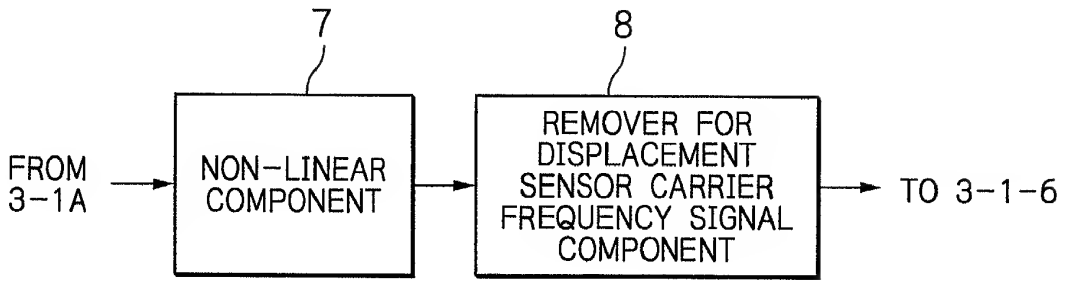


Fig. 8

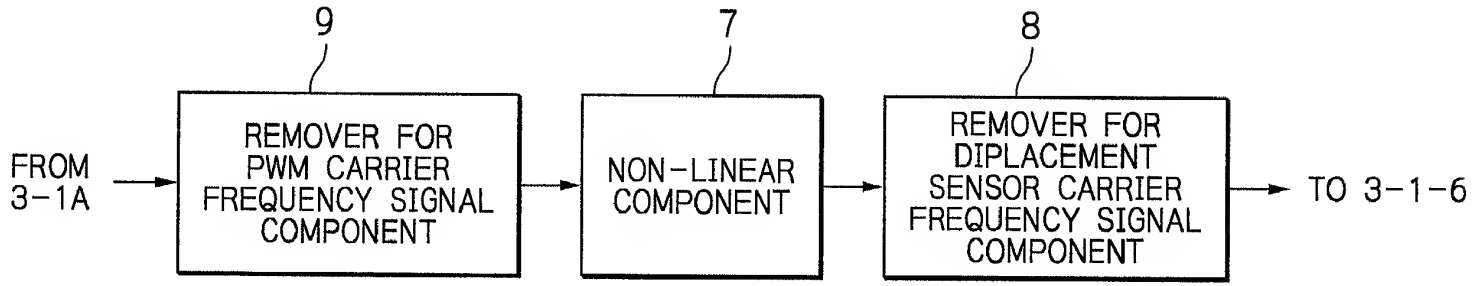
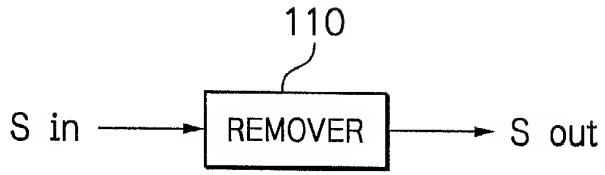
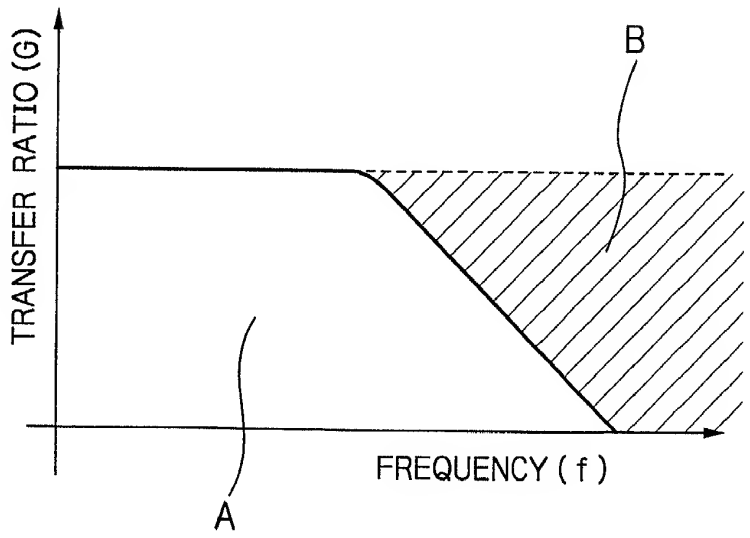

9
7
8
FROM 3-1A
REMOVER FOR PWM CARRIER FREQUENCY SIGNAL COMPONENT
NON-LINEAR COMPONENT
REMOVER FOR DIPLACEMENT SENSOR CARRIER FREQUENCY SIGNAL COMPONENT
TO 3-1-6

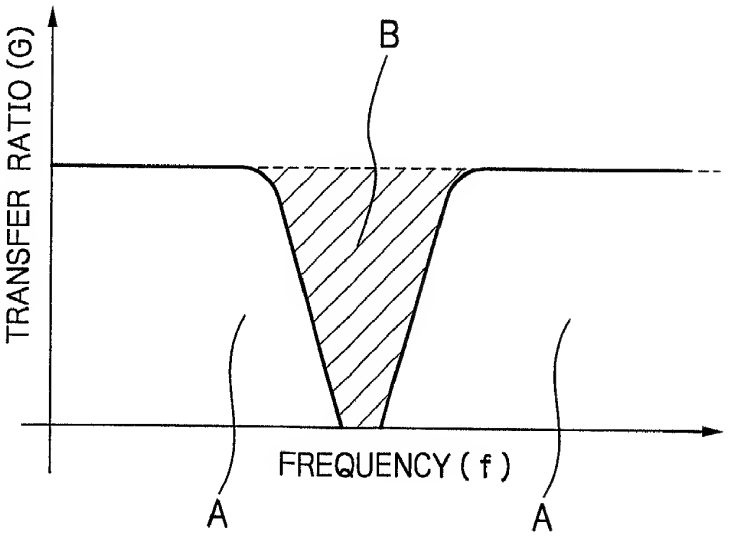
Fig. 9


110
S in
REMOVER
S out

(a)

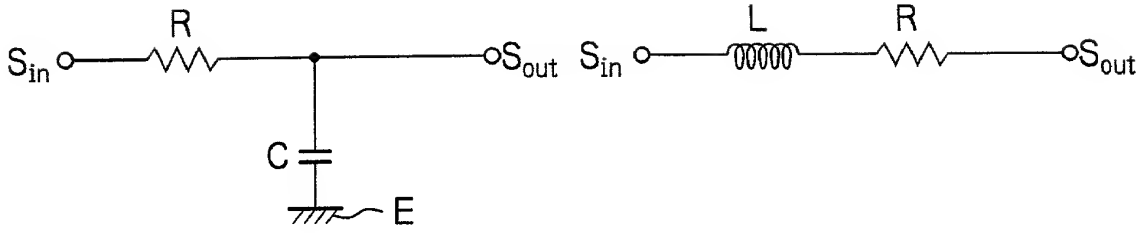

TRANSFER RATIO (G)
B
A
FREQUENCY (f)

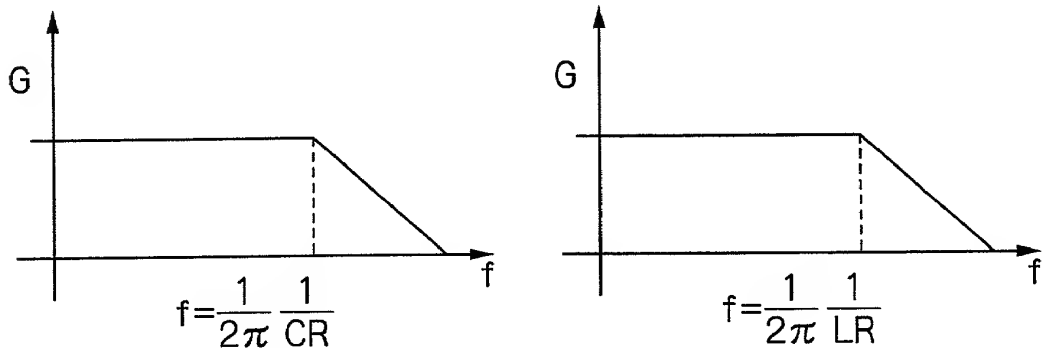
(b)


TRANSFER RATIO (G)
B
A
A
FREQUENCY (f)

(c)

Fig. 10


R
S_{in}
S_{out}
C
E
L
R
S_{in}
S_{out}


G
f
$f=\frac{1}{2\pi}\frac{1}{CR}$
(a)
G
f
$f=\frac{1}{2\pi}\frac{1}{LR}$
(b)

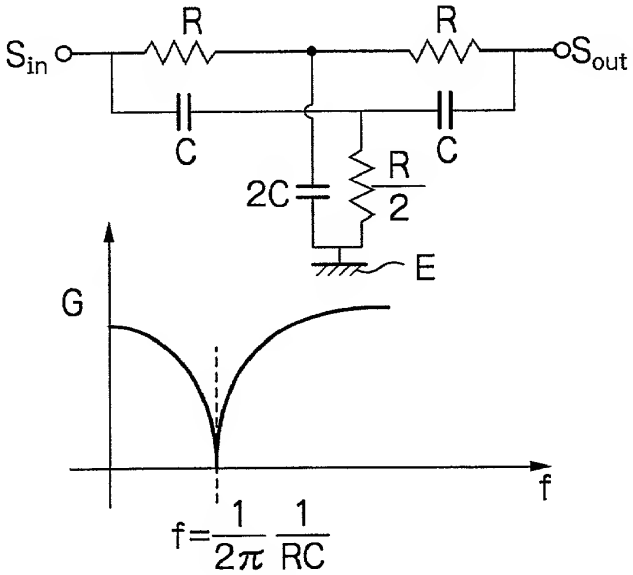
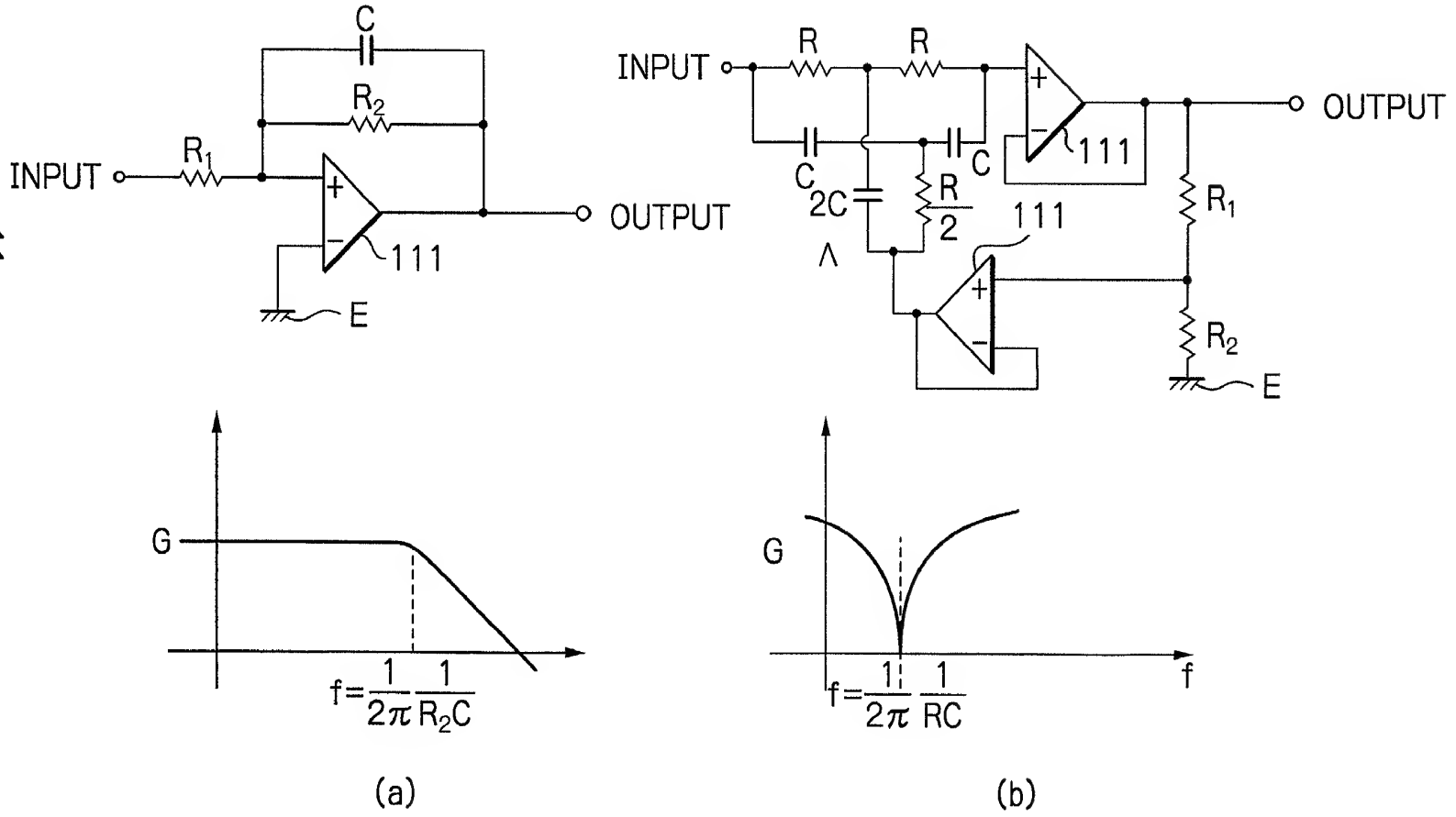

R
R
S_{in}
S_{out}
C
C
2C
R
2
E
G
f
$f=\frac{1}{2\pi}\frac{1}{RC}$
(c)

Fig. 11


C
R2
INPUT
R1
111
E
OUTPUT
G
f=1/2π 1/R2C
(a)
INPUT
R
R
C
2C
R/2
111
R1
R2
E
OUTPUT
G
f=1/2π 1/RC
f
(b)